

## 41168 to 41243—Continued. (Quoted notes by Mr. O. F. Cook.)

41185 and 41186. *TROPAEOLUM TUBEROSUM* Ruiz and Pavon. *Tropæola-*  
ceæ. *Anyu.*

\* "One of the Andean root crops, generally cultivated in the potato-growing districts of the plateau region of Peru. Though apparently less popular than the *oca* and *ullucu*, the *anyu* has one important advantage over all the Peruvian root crops, including the potato, in its keeping qualities. Specimens collected in the district of Sicuani on April 9 were kept for three months at Ollantaytambo and then brought to Washington, and were still in good condition the middle of September. This means that the *anyu* tubers would be very easy to handle commercially in case they should prove to be of use in the United States. In Peru they are eaten like potatoes, *papa lisas*, and *ocas*, chiefly in the form of soups. The *anyu* plant is a rather close relative of another Peruvian species, *Tropaeolum majus*, a familiar ornamental cultivated in the United States under the name nasturtium. Hybrids between these two species might be of interest as affording a possibility of securing ornamental varieties that could be propagated from tubers. The flowers of *T. tuberosum* are not so large as those of *T. majus* and do not open so widely, but in other respects the general appearance is much the same. Experimental plantings of *anyu* should be made in the elevated districts in the Southwestern States and along the Pacific coast. In comparison with potatoes there appear to be very few varieties of the *anyu*."

41185. "No. 2024. Ollantaytambo, Peru, June 15, 1915. *Cheojche añu*. Spotted *anyu*. Strikingly marked with purple stripes, especially about the eyes. Two forms are found, one with short, coarse stripes, mostly confined to the vicinity of the eyes, which are very deep, with the surface very prominent between the eyes, making the outline very irregular. The other form has larger stripes of a somewhat lighter color. These are called *Pucacheojche*; the other *Yanacheojche*, or black striped.

41186. "No. 2031. Ushcopata, Sicuani, Peru, April 9, 1915. *Qquello* or yellow *anyu*. From Ushcopata, a few miles above Sicuani."

For an illustration of an *anyu* plant, see Plate X.

41187. *CANNA EDULIS* Ker-Gawler. Cannaceæ.

*Canna.*

"No. 1674. Santa Ana, Peru, July 6, 1915. *Achria*. *Canna* cultivated at Santa Ana, entirely different from that below San Miguel. Tubers are superficial and green, flowers scarlet and of different form. Midribs of leaves dissolve into fine veins some distance below the apex. Plant looks like ordinary *canna*, familiar in the United States. Roots white where not green. Inflorescence joints come apart. Flowers not in good condition."

41188. *POLYMNIA SONCHIFOLIA* Poepp. and Endl. Asteraceæ.

"No. 2022. Ollantaytambo, Peru, July 24, 1915. *Llacono*. A root crop grown sparingly about Ollantaytambo at altitudes of about 10,000 feet. The tubers resemble sweet potatoes externally, but are white and watery within and taste much like Jerusalem artichokes."